



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12411862
SAU: MSAD 47
School: Messalonskee Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science Results	10-12

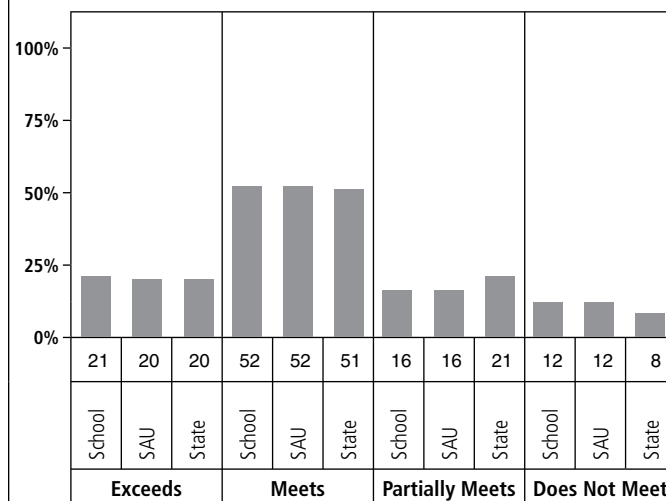
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

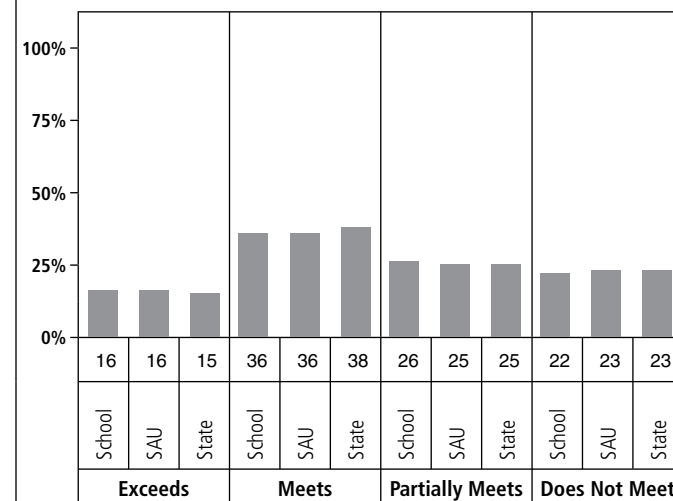
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	845	845	847
2007–2008	851	851	849
2008–2009	849	849	850
Cum. Avg.*	848	848	849
Mathematics			
2006–2007	841	842	842
2007–2008	843	843	841
2008–2009	843	843	843
Cum. Avg.*	842	843	842
Science			
2008–2009 **	848	848	846

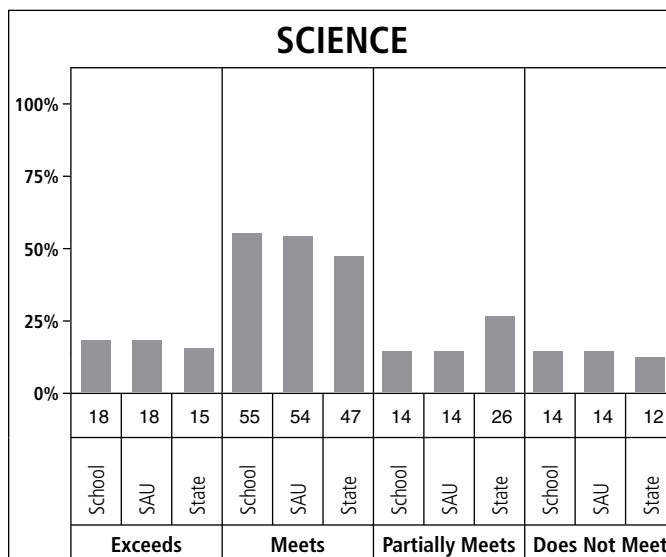
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	184	100	185	100	14804	100	182	99	183	99	14659	99	182	99	183	99	14653	99	183	100	184	100	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	2	1	2	1	119	1	2	100	2	100	117	99	2	100	2	100	115	97	2	100	2	100	116	98
Asian or Pacific Islander	4	2	4	2	238	2	4	100	4	100	232	97	4	100	4	100	234	98	4	100	4	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	178	97	179	97	13878	94	176	99	177	99	13756	99	176	99	177	99	13742	99	177	100	178	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	33	18	34	18	2489	17	31	97	32	97	2434	99	31	97	32	97	2424	98	32	100	33	100	2418	98
Current LEP	2	1	2	1	349	2	2	100	2	100	331	95	2	100	2	100	342	98	2	100	2	100	338	97
Economically disadvantaged	59	32	60	32	5460	37	59	100	60	100	5380	99	59	100	60	100	5377	99	59	100	60	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	151	82	151	82	12132	82	151	82	151	82	12124	82	152	83	152	82	12169	82
Identified disability (PET/IEP)	2	1	2	1	379	3	2	1	2	1	380	3	3	2	3	2	425	3
LEP	1	1	1	1	166	1	1	1	1	1	169	1	1	1	1	1	168	1
504 plan	1	1	1	1	200	2	1	1	1	1	200	2	1	1	1	1	202	2
Participation with accommodations	29	16	30	16	2349	16	29	16	30	16	2347	16	29	16	30	16	2288	15
Identified disability (PET/IEP)	27	93	28	93	1877	80	27	93	28	93	1862	79	27	93	28	93	1824	80
LEP	1	3	1	3	158	7	1	3	1	3	167	7	1	3	1	3	165	7
504 plan	2	7	2	7	70	3	2	7	2	7	70	3	2	7	2	7	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	2	1	2	1	178	1	2	1	2	1	182	1	2	1	2	1	169	1
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	1	1	1	1	38	0
Non-participation – other	1	1	1	1	113	1	1	1	1	1	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	21	11	20	11	2407	16
	2007-2008	49	24	49	23	3428	23
	2008-2009	37	21	37	20	2857	20
	Cum. Total*	107	18	106	18	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	94	47	88	47	7494	49
	2007-2008	105	51	106	50	7179	48
	2008-2009	94	52	94	52	7431	51
	Cum. Total*	293	50	288	50	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	59	30	56	30	3628	24
	2007-2008	35	17	38	18	2706	18
	2008-2009	28	16	29	16	2979	21
	Cum. Total*	122	21	123	21	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	24	12	22	12	1810	12
	2007-2008	16	8	17	8	1611	11
	2008-2009	21	12	21	12	1214	8
	Cum. Total*	61	10	60	10	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	35.3	63.0	35.3	63.0	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.3	61.5	12.3	61.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.0	63.9	23.0	63.9	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 47
 School: Messalonskee Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	180	37	21	94	52	28	16	21	12	849	181	20	52	16	12	849	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	2										2						116	10	46	26	18	843
Asian or Pacific Islander	4										4						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	174	35	20	92	53	28	16	19	11	849	175	20	53	17	11	849	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	29	1	3	5	17	8	28	15	52	831	30	3	17	30	50	831	2256	2	25	40	34	834
No	151	36	24	89	59	20	13	6	4	853	151	24	59	13	4	853	12225	23	56	17	4	853
Current LEP																						
Yes	2										2						324	5	34	36	26	838
No	178	36	20	94	53	28	16	20	11	849	179	20	53	16	11	849	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	58	6	10	30	52	11	19	11	19	844	59	10	51	20	19	844	5277	10	46	29	15	844
No	122	31	25	64	52	17	14	10	8	852	122	25	52	14	8	852	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	180	37	21	94	52	28	16	21	12	849	181	20	52	16	12	849	14476	20	51	21	8	850
Gender																						
Female	79	23	29	40	51	12	15	4	5	853	79	29	51	15	5	853	7074	25	51	18	6	852
Male	101	14	14	54	53	16	16	17	17	847	102	14	53	17	17	847	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						857	9	43	35	14	843
No	179	37	21	94	53	28	16	20	11	850	180	21	52	16	11	850	13624	20	52	20	8	850
Gifted/talented program																						
Yes	4										4						700	69	30	1	0	867
No	176	35	20	92	52	28	16	21	12	849	177	20	52	16	12	849	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	13	0	0	12	52	5	22	6	26	839	13	0	52	22	26	839	8	8	39	29	24	841
B. less than one hour	54	18	19	55	57	12	12	12	12	849	54	18	56	13	12	849	51	17	53	22	8	849
C. one to two hours	28	16	32	24	48	7	14	3	6	854	28	32	48	14	6	854	36	24	52	18	5	852
D. more than two hours	5	3	33	3	33	3	33	0	0	856	5	33	33	33	0	856	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	38	24	35	37	54	5	7	2	3	858	38	35	54	9	3	858	31	35	50	11	4	856
B. good	40	12	17	36	51	14	20	9	13	846	39	17	51	20	13	846	47	16	55	21	7	849
C. fair	20	1	3	19	54	6	17	9	26	841	19	3	54	17	26	841	18	5	47	33	15	842
D. poor	3	0	0	2	40	2	40	1	20	837	3	0	40	40	20	837	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	28	15	30	30	60	2	4	3	6	855	28	30	60	4	6	855	32	27	54	14	5	853
B. They match some of what I have learned.	55	19	19	48	48	19	19	13	13	848	56	19	48	20	13	848	52	18	53	22	8	850
C. They match just a little of what I have learned.	9	3	18	11	65	1	6	2	12	851	9	18	65	6	12	851	12	11	45	29	15	844
D. There is no match.	7	0	0	5	38	5	38	3	23	840	7	0	38	38	23	840	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	15	5	19	11	41	7	26	4	15	847	15	19	41	26	15	847	15	13	42	28	17	844
B. about the same as my regular schoolwork	66	25	22	61	53	18	16	12	10	850	66	21	52	16	10	850	64	19	53	20	7	850
C. easier than my regular schoolwork	19	7	21	22	67	2	6	2	6	853	19	21	67	6	6	853	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	1	6	5	29	4	24	7	41	837	10	6	29	24	41	837	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	49	13	15	48	56	17	20	7	8	848	49	15	56	20	8	848	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	41	23	32	40	56	5	7	4	6	855	42	32	55	8	5	855	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	30	13	25	17	33	11	21	11	21	846	30	25	33	21	21	846	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	60	19	18	66	63	12	11	8	8	851	60	18	62	12	8	851	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	10	5	28	9	50	3	17	1	6	853	10	28	50	17	6	853	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	16	5	18	17	61	4	14	2	7	851	16	17	59	17	7	851	19	26	53	15	6	853
B. 20 minutes to an hour	42	22	30	36	49	12	16	4	5	854	41	30	49	16	5	854	40	25	52	17	6	852
C. less than 20 minutes	15	6	23	12	46	3	12	5	19	846	15	23	46	12	19	846	15	18	51	21	10	849
D. I rarely read at home.	28	4	8	29	58	8	16	9	18	845	28	8	58	16	18	845	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	45	22	28	43	54	9	11	6	8	854	45	27	53	12	7	853	42	27	51	15	6	853
B. agree	44	14	18	44	56	11	14	9	12	848	44	18	56	14	12	848	50	15	53	23	9	848
C. disagree	9	0	0	7	44	4	25	5	31	838	9	0	44	25	31	838	7	8	46	32	14	843
D. strongly disagree	2	1	25	0	0	3	75	0	0	846	2	25	0	75	0	846	2	6	39	35	21	840
Optional school/SAU question																						
A.	29	0	0	3	75	0	0	1	25	846	29	0	75	0	25	846						
B.	43	1	17	1	17	3	50	1	17	842	43	17	17	50	17	842						
C.	29	0	0	2	50	0	0	2	50	834	29	0	50	0	50	834						
D.	0										0											

MATHEMATICS RESULTS

Test Date:	March 2009
Grade:	8
SAU:	MSAD 47
School:	Messalonskee Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	27	14	27	15	1952	13
	2007-2008	36	18	36	17	1657	11
	2008-2009	29	16	29	16	2116	15
	Cum. Total*	92	16	92	16	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	76	38	70	38	5870	38
	2007-2008	79	39	80	38	5956	40
	2008-2009	65	36	65	36	5443	38
	Cum. Total*	220	38	215	37	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	43	22	41	22	3982	26
	2007-2008	42	20	42	20	3729	25
	2008-2009	46	26	46	25	3556	25
	Cum. Total*	131	22	129	22	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	52	26	48	26	3534	23
	2007-2008	48	23	52	25	3579	24
	2008-2009	40	22	41	23	3356	23
	Cum. Total*	140	24	141	24	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	29.0	51.8	29.0	51.8	28.6	51.1
A. Number	8	14	4.0	50.0	4.0	50.0	3.7	46.3
B. Data	16	29	8.9	55.6	8.9	55.6	8.9	55.6
C. Geometry	12	21	4.8	40.0	4.8	40.0	5.0	41.7
D. Algebra	20	36	11.4	57.0	11.3	56.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 47
 School: Messalonskee Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	180	29	16	65	36	46	26	40	22	843	181	16	36	25	23	843	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	2										2						114	5	31	32	32	836
Asian or Pacific Islander	4										4						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	174	25	14	65	37	46	26	38	22	843	175	14	37	26	22	843	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	29	1	3	2	7	4	14	22	76	821	30	3	7	13	77	821	2242	2	12	22	63	824
No	151	28	19	63	42	42	28	18	12	848	151	19	42	28	12	848	12229	17	42	25	16	846
Current LEP																						
Yes	2										2						336	6	18	26	51	829
No	178	28	16	65	37	46	26	39	22	843	179	16	36	26	22	843	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	58	2	3	21	36	15	26	20	34	836	59	3	36	25	36	836	5270	6	30	28	36	835
No	122	27	22	44	36	31	25	20	16	847	122	22	36	25	16	847	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	180	29	16	65	36	46	26	40	22	843	181	16	36	25	23	843	14466	15	38	25	23	843
Gender																						
Female	79	13	16	32	41	21	27	13	16	846	79	16	41	27	16	846	7070	15	39	25	22	843
Male	101	16	16	33	33	25	25	27	27	841	102	16	32	25	27	841	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						857	5	25	33	37	835
No	179	29	16	65	36	46	26	39	22	844	180	16	36	26	22	843	13614	15	38	24	22	843
Gifted/talented program																						
Yes	4										4						700	68	27	3	1	866
No	176	25	14	65	37	46	26	40	23	843	177	14	37	26	23	843	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	13	0	0	7	30	6	26	10	43	832	13	0	30	26	43	832	8	8	24	24	44	833
B. less than one hour	54	10	10	39	40	28	29	20	21	843	54	10	40	29	21	843	51	12	38	26	23	842
C. one to two hours	28	15	30	18	36	9	18	8	16	848	28	30	36	18	16	848	36	19	40	23	19	845
D. more than two hours	5	4	44	1	11	3	33	1	11	852	5	44	11	33	11	852	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	22	37	23	39	6	10	8	14	852	34	37	38	10	15	852	28	33	41	15	11	852
B. good	42	4	5	30	41	26	35	14	19	842	42	5	41	35	19	842	45	11	43	25	21	842
C. fair	20	3	8	10	28	11	31	12	33	837	20	8	28	31	33	837	21	3	27	35	35	834
D. poor	5	0	0	2	25	2	25	4	50	829	4	0	25	25	50	829	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	27	13	27	18	38	8	17	9	19	847	27	27	38	17	19	847	28	23	41	21	15	848
B. They match some of what I have learned.	51	11	12	37	41	26	29	17	19	844	51	12	40	28	20	844	52	13	40	25	21	843
C. They match just a little of what I have learned.	15	3	12	7	27	7	27	9	35	837	15	12	27	27	35	837	16	8	28	30	34	836
D. There is no match.	7	2	15	3	23	4	31	4	31	839	7	15	23	31	31	839	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	28	0	0	22	44	15	30	13	26	839	29	0	43	29	27	839	32	6	34	29	32	837
B. about the same as my regular schoolwork	45	8	10	29	37	24	30	18	23	841	45	10	37	30	23	841	52	13	41	25	20	843
C. easier than my regular schoolwork	27	21	45	14	30	6	13	6	13	853	27	45	30	13	13	853	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	8	12	22	34	15	23	20	31	839	37	12	33	23	32	839	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	54	19	20	36	38	27	28	14	15	847	54	20	38	28	15	847	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	9	2	13	7	44	3	19	4	25	842	9	13	44	19	25	842	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	10	5	28	4	22	2	11	7	39	841	10	28	22	11	39	841	34	18	40	22	20	845
B. two or three days a week	22	11	28	17	43	4	10	8	20	849	23	27	41	10	22	848	35	14	38	26	21	843
C. two or three times each month	26	9	20	20	43	10	22	7	15	849	26	20	43	22	15	849	18	12	37	27	24	841
D. never or almost never	42	4	5	24	32	30	40	17	23	838	42	5	32	40	23	838	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	45	3	4	23	29	32	40	22	28	837	44	4	29	40	28	837	9	13	38	23	26	841
B. two or three days a week	11	0	0	5	25	6	30	9	45	832	11	0	25	30	45	832	17	11	37	26	26	841
C. two or three times each month	17	16	53	11	37	2	7	1	3	861	17	53	37	7	3	861	28	15	40	25	20	844
D. never or almost never	27	10	20	26	53	6	12	7	14	847	28	20	52	12	16	847	46	16	36	24	23	843
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	51	16	18	40	44	20	22	15	16	847	51	17	43	22	17	847	52	19	41	22	18	846
B. agree	40	12	17	21	30	22	31	16	23	842	40	17	30	31	23	842	39	11	35	27	27	840
C. disagree	5	1	11	3	33	2	22	3	33	838	5	11	33	22	33	838	6	7	28	26	39	835
D. strongly disagree	4	0	0	1	14	2	29	4	57	824	4	0	14	29	57	824	3	4	25	28	43	832
Optional school/SAU question																						
A.	29	0	0	1	25	1	25	2	50	834	29	0	25	25	50	834						
B.	43	0	0	2	33	2	33	2	33	835	43	0	33	33	33	835						
C.	29	0	0	2	50	0	0	2	50	827	29	0	50	0	50	827						
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	32	18	32	18	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	99	55	99	54	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	25	14	26	14	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	25	14	25	14	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	33.3	59.5	33.2	59.3	32.0	57.1
D. The Physical Setting	31	55	17.6	56.8	17.5	56.5	17.1	55.2
D1/D2 Earth/Space	17	30	9.7	57.1	9.7	57.1	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.9	56.4	7.9	56.4	7.7	55.0
E. The Living Environment	25	45	15.7	62.8	15.7	62.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 47
 School: Messalonskee Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	181	32	18	99	55	25	14	25	14	848	182	18	54	14	14	848	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	2										2						114	8	39	31	22	839
Asian or Pacific Islander	4										4						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	175	30	17	97	55	24	14	24	14	848	176	17	55	14	14	847	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	30	1	3	5	17	8	27	16	53	827	31	3	16	29	52	827	2221	3	22	36	38	832
No	151	31	21	94	62	17	11	9	6	852	151	21	62	11	6	852	12042	17	51	24	7	848
Current LEP																						
Yes	2										2						331	4	20	39	37	832
No	179	31	17	99	55	24	13	25	14	848	180	17	55	14	14	848	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	58	7	12	28	48	9	16	14	24	843	59	12	47	17	24	843	5184	6	40	33	21	840
No	123	25	20	71	58	16	13	11	9	850	123	20	58	13	9	850	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	181	32	18	99	55	25	14	25	14	848	182	18	54	14	14	848	14258	15	47	26	12	846
Gender																						
Female	79	17	22	47	59	8	10	7	9	851	79	22	59	10	9	851	6953	14	47	28	11	846
Male	102	15	15	52	51	17	17	18	18	845	103	15	50	17	17	845	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						828	5	35	40	20	839
No	180	32	18	99	55	24	13	25	14	848	181	18	55	14	14	848	13435	16	48	25	12	846
Gifted/talented program																						
Yes	4										4						699	65	34	2	0	865
No	177	29	16	98	55	25	14	25	14	847	178	16	55	15	14	847	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 47
School: Messalonskee Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	13	0	0	13	57	2	9	8	35	835	13	0	57	9	35	835	8	8	34	28	30	837
B. less than one hour	54	15	15	57	59	11	11	14	14	848	54	15	58	12	14	848	51	14	48	27	11	846
C. one to two hours	28	13	26	27	54	8	16	2	4	852	28	26	54	16	4	852	36	19	48	24	9	848
D. more than two hours	5	4	44	2	22	3	33	0	0	853	5	44	22	33	0	853	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	27	12	24	26	53	3	6	8	16	851	27	24	53	6	16	851	23	27	47	17	8	851
B. good	50	18	20	50	56	13	14	9	10	849	51	20	55	15	10	849	53	15	50	26	10	847
C. fair	22	2	5	23	59	7	18	7	18	842	22	5	59	18	18	842	20	4	43	35	18	840
D. poor	1	0	0	0	0	1	100	0	0	840	1	0	0	100	0	840	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	36	18	28	37	57	4	6	6	9	852	36	28	57	6	9	852	26	20	49	23	9	849
B. They match some of what I have learned.	52	12	13	52	56	14	15	15	16	846	52	13	56	15	16	846	51	14	48	26	11	846
C. They match just a little of what I have learned.	10	2	11	9	50	5	28	2	11	845	11	11	47	32	11	845	18	13	44	28	15	844
D. There is no match.	2	0	0	1	33	1	33	1	33	828	2	0	33	33	33	828	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	20	5	14	17	49	10	29	3	9	846	21	14	47	31	8	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	65	22	20	64	58	9	8	16	14	849	64	20	58	8	14	849	56	15	49	25	11	847
C. easier than my regular schoolwork	15	5	19	15	58	3	12	3	12	849	15	19	58	12	12	849	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	33	11	20	28	50	9	16	8	14	847	33	20	50	16	14	847	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	57	20	20	58	59	9	9	11	11	851	58	20	59	10	11	851	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	10	1	6	8	47	6	35	2	12	841	10	6	47	35	12	841	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	42	6	8	49	65	10	13	10	13	845	42	8	65	13	13	845	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	20	10	28	15	42	4	11	7	19	849	20	28	42	11	19	849	23	17	49	22	12	847
C. the course(s) described in B, plus physics	19	14	41	14	41	3	9	3	9	856	19	41	41	9	9	856	21	31	44	17	7	852
D. a life science and physical science class	18	2	6	20	63	6	19	4	13	845	18	6	63	19	13	845	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	30	16	30	28	53	3	6	6	11	853	29	30	53	6	11	853	27	23	47	20	10	849
B. agree	32	7	12	36	62	5	9	10	17	847	32	12	62	9	17	847	37	14	47	27	12	846
C. disagree	26	6	13	25	54	9	20	6	13	845	26	13	53	21	13	845	25	11	48	29	12	845
D. strongly disagree	12	3	14	10	45	7	32	2	9	845	12	14	45	32	9	845	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	33	14	24	31	53	6	10	7	12	850	33	24	53	10	12	850	31	22	46	22	10	849
B. agree	49	14	16	55	64	7	8	10	12	848	48	16	64	8	12	848	50	14	49	26	11	846
C. disagree	14	4	16	9	36	7	28	5	20	844	15	15	35	31	19	844	14	9	45	31	15	843
D. strongly disagree	5	0	0	3	38	4	50	1	13	840	4	0	38	50	13	840	5	3	38	34	25	837
Optional school/SAU question																						
A.	29	0	0	2	50	1	25	1	25	840	29	0	50	25	25	840						
B.	43	0	0	2	33	2	33	2	33	833	43	0	33	33	33	833						
C.	29	0	0	2	50	1	25	1	25	838	29	0	50	25	25	838						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number